



Montana Department of Transportation  
PO Box 201001  
Helena, MT 59620-1001

**Memorandum**

To: Distribution

From: Carl S. Peil, P.E.  
Preconstruction Engineer

Date: June 24, 2003

Subject: Bridge Approach Guardrail Details

This memo provides information as a follow-up to Lisa Durbin's e-mail concerning details for bridge approach guardrail (the e-mail is attached).

As Lisa noted, Supplemental Detailed Drawings have been published for Type 1 and 3 Guardrail Bridge Approach Sections. Consequently, where these corrected details apply, the Supplemental Detailed Drawings control and no separate details need to be added to the road plans. These Supplemental Detailed Drawings are applicable where new bridges will be installed and where the Bridge Bureau will revise the rail on existing bridges, as required, to accommodate the new approach rail.

The Bridge Bureau has determined that the bridge rail should be revised to accommodate the new approach sections wherever practical. Therefore, we request that the Project Design Manager contact the Bridge Bureau as soon as possible for all existing projects, and prior to conducting the Preliminary Field Reviews for new projects that will involve revisions to the bridge approach sections. These projects are typically overlays or pavement preservation type projects.

If insufficient time is available for the Bridge Bureau to revise the bridge rail before a project is let to contract, include a plan detail of the old bridge approach section, which is available in the CADD standards directory (see the attached e-mail for the complete file name).

If you would like additional information call Paul Ferry at 444-6244 or Lisa Durbin at 444-0453.

pf

**Attachment**

Distribution:	C. S. Peil,	Preconstruction Engineer,	w/attachment
	R. E. Williams,	Road Design Engineer,	
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Scott Keller,  
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w/attachment

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Peil, Carl

From: Durbin, Lisa  
Sent: Monday, June 02, 2003 12:53 PM  
To: Peil, Carl; Ferry, Paul; Williams, Ron; Martin, Tom; Kolman, Joe; Fullerton, William  
Cc: Tribelhorn, Lesly; Lundman, Gary; Kailey, Dwane; Neville, Gary; Giard, Jason; Ulberg, John;  
Squires, Bill; Langenfus, Mike; Krings, Damian; Davies, Jim; McCray, Kevin; Mends, Nigel;  
Miller, Bryan; Modrow, Bob; Roberts, Devin; Keller, Scott; Wissinger, Mark; Clearman, Chris;  
Antonovich, Ryan  
Subject: Guardrail Bridge Approach Detailed Drawings

Hello everyone-

I know there has been a tremendous amount of confusion regarding the guardrail bridge approach Detailed Drawings that were issued in the December 2002 book, and then subsequent details that have been placed on the caddstd directory for inclusion in plans.

First of all, thank you everyone for your patience and cooperation with this issue.

Since the majority of projects involving types 1 and 3 bridge approach sections have been or are being modified to incorporate the revisions made to the December 2002 detailed drawings, the updated/corrected details are going to be issued as Supplemental Detailed Drawings effective with the June letting. These details, along with other Supplemental Detailed Drawings are available on the Contractor's Web Page:

[http://www.mdt.state.mt.us/ctrct/net/external/detailed\\_drawings/2003/metric/ddsuppjune03metric.pdf](http://www.mdt.state.mt.us/ctrct/net/external/detailed_drawings/2003/metric/ddsuppjune03metric.pdf)

This means that for projects that have been designed based on the corrected details, NO separate details need to be added to the road plans.

However, there may be some projects over the next few months and in the future that will not accommodate the new bridge approach section. This would primarily be the case with skewed structures. Since the center of the first post is now only 195 mm (7-3/4") from the end of the barrier, instead of 546.25 mm (1'-9.5") with the old section, a conflict could exist with the bridge wall. If this is the case, include the old detail in the plans. The detail is available in the caddstd directory, \caddstd\rdstd\OLD\_BR\_APP\_SECT.DGN for full size plans, PP\_OLD\_BR\_APP\_SECT.DGN for pavement preservation plans.

Feel free to contact me at x0453 with questions.

Thank you,  
Lisa Durbin